

3.600 St. Louis County
West County, SLP

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

March 6, 1990

Mr. James Becker
West County Disposal, Ltd.
P.O. Box 428
Valley Park, MO 63088

Dear Mr. Becker:

Enclosed is a report of an inspection conducted by Mr. Bob Carlson of my staff. The report contains recommendations which the inspector has determined are warranted based on his findings at the facility.

Please review the report and implement the recommendations presented. Should you have any questions or comments, please contact me.

Sincerely,

ST. LOUIS REGIONAL OFFICE

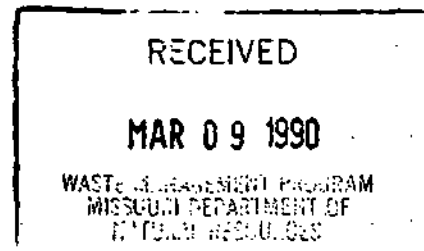
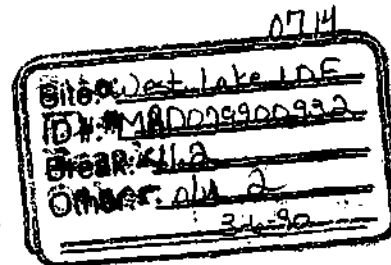
Robert S. P. Eck

Robert S. P. Eck
Regional Administrator

RSPE/BC/cc

Enclosure

cc: CO-WMP
Ray Snyder, St. Louis County - DOCHMC



40249222



SUPERFUND RECORDS

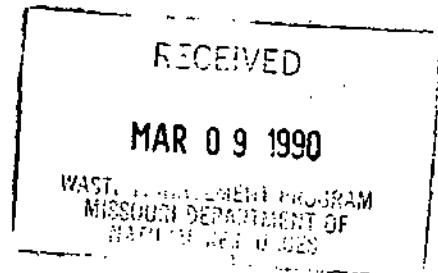
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3.600 St. Louis County
West County SLP

SOLID WASTE FACILITY INSPECTION REPORT

Facility:

West County Sanitary Landfill
St. Louis County
MDNR Permit #: 118911
Report Date: March 6, 1990



Introduction:

On February 28, 1990, the above-referenced facility, MDNR Permit #118911, was inspected to assess compliance with the Missouri Solid Waste Management Law and Regulations. Mr. Bob Carlson, Environmental Specialist, represented the Missouri Department of Natural Resources. Mr. Ray Snyder, Environmental Control Officer, represented the St. Louis County Department of Community Health and Medical Care. Mr. Jim Becker represented the facility.

Unsatisfactory Feature:

The air-curtain destructor was producing unsatisfactory levels of smoke.

Comments:

Messrs. Carlson and Snyder met with Mr. Becker at the landfill office at about 10:00 a.m. to discuss the status of operations at the site. A facility tour followed.

The air-curtain destructor was in operation during the inspection. This was a new unit running on electricity rather than propane. A significant amount of smoke was being produced, which was blowing in a southerly direction. Mr. Becker stated that smoke levels were always higher when stumps were being burned.

Mr. Snyder observed that the problem might be reduced by angling the forced-air blower so as to better circulate the air in the pit.

Cover, vegetation and the working face area appeared to be well-maintained. Minor amounts of windblown plastic litter were observed in the treeline east of the recycling area. New gas-collection wells were being installed and a second flare unit was present, though not yet hooked up.

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Recommendation:

Take all possible steps to reduce the amount of smoke produced by the air-curtain destructor.

Should you have any questions concerning this report, please call Mr. Bob Carlson at (314) 849-1313.

PREPARED BY:



Bob Carlson
Environmental Specialist
St. Louis Regional Office



MISSOURI DEPARTMENT OF NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL QUALITY
SANITARY LANDFILL INSPECTION CHECKLIST

TYPE OF INSPECTION ▶ 2

I GENERAL INFORMATION

DATE OF INSPECTION February 28, 1990		DAYS/WEEK OPEN 6		TIME OF ARRIVAL 10:00 AM	
WEATHER partly cloudy, mild, no wind				TEMPERATURE 45°F	
FACILITY NAME West County Disposal, Ltd., Sanitary Landfill			COUNTY St. Louis		PERMIT NUMBER 118911
OWNER West County Disposal, Ltd.				TELEPHONE NUMBER (314) 225-7220	
ADDRESS P.O. Box 428		CITY Valley Park		STATE MO	ZIP CODE 63088
OPERATOR (same)				TELEPHONE NUMBER	
ADDRESS		CITY		STATE	ZIP CODE

II REMAINING LIFE OF LANDFILL

AREA SERVED

A. Estimated quantity of waste accepted, 27,000
yards or tons/week

A. Cities:

B. Estimated life of remaining landfill
8-9 years.

B. Counties:

C. Fixed operating term date, N/A

various in region

NOTE ▶ Check all subsections: SAT-Satisfactory or UNS-Unsatisfactory. If necessary, describe "UNS" violations under "Remarks."

SAT UNS

10 CSR 80-2.020 PERMIT ISSUANCE, SPECIAL OPERATING PERMITS, AND PERMIT EXEMPTIONS

(5)(E) SITE CONSTRUCTED AND OPERATED PER APPROVED TERMS AND CONDITIONS OF PERMIT.

✓

10 CSR 80-2.060 CERTIFIED SOLID WASTE TECHNICIANS

(3)(A) CERTIFIED SOLID-WASTE TECHNICIAN.

✓

10 CSR 80-3.010 SANITARY LANDFILLS DESIGN AND OPERATION

(2) SOLID WASTE ACCEPTED

(2)(C)1. BULKY SOLID WASTE CRUSHED ON SOLID GROUND.

✓

(2)(C)2. SMALL DEAD ANIMALS COVERED IMMEDIATELY.

✓

(3) SOLID WASTE EXCLUDED AND SPECIAL WASTE APPROVALS

(3)(C)1. THE DISPOSAL OF SPECIAL WASTE APPROVED IN THE PERMIT IN ACCORDANCE WITH APPROVED PLANS.

✓

(3)(C)2.A. WRITTEN APPROVAL FOR SPECIAL WASTE NOT APPROVED IN PERMIT.

✓

(3)(C)2.B. APPROVED SPECIAL WASTE DISPOSED OF PROPERLY.

✓

(3)(C)3. SIGN POSTED AT ENTRANCE LISTING EXCLUDED WASTE.

✓

(3)(C)4. PROCEDURE FOR SCREENING AND REMOVAL OF EXCLUDED WASTES.

✓

(3)(C)5. LARGE DEAD ANIMALS PLACED IN PIT AND COVERED WITH FOUR FEET OF COMPACTED SOIL.

✓

(3)(C)6. EXCLUDED WASTES LISTED IN SUBSECTION (3)(A) OF THIS RULE NOT ACCEPTED FOR DISPOSAL.

✓

(4) SITE SELECTION

(4)(C)1. SITE ACCESSIBLE IN ALL WEATHER CONDITIONS. TEMPORARY ROADS PROVIDED TO WORKING FACE.

✓

(4)(C)2. IF ACCESS ROADS ARE FLOODED, ALTERNATE SANITARY LANDFILL AVAILABLE.
NAME.

✓

(5) DESIGN

(5)(C)1. CONSTRUCTION AND OPERATION OF THE SITE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

✓

(5)(C)2. MINIMUM 50-FOOT BUFFER ZONE MAINTAINED.

N/A

✓

(5)(C)3. OPERATING MANUAL AVAILABLE.

✓

(6) SURVEY CONTROL

(6)(C)1. BOUNDARY MARKERS, BENCHMARKS, HORIZONTAL CONTROL STATIONS, & CONSTRUCTION STAKES CLEARLY MARKED & IDENTIFIED

✓

(6)(C)2. MISSING OR DISPLACED BENCHMARKS OR HORIZONTAL CONTROL STATIONS REESTABLISHED.

✓

(6)(C)3. MISSING OR DISPLACED CONSTRUCTION STAKES REESTABLISHED.

✓

(6)(C)4. MONUMENTS AND BOUNDARY MARKERS PLACED PRIOR TO RECEIVING AUTHORIZATION TO OPERATE.

✓

(6)(C)5. CONSTRUCTION STAKES MARKING THE ACTIVE AREA PLACED PRIOR TO DEPOSITION OF WASTE.

✓

(7) WATER QUALITY

(7)(C)1. SURFACE WATERCOURSES & RUNOFF PROPERLY DIVERTED. CONSTRUCTION & GRADING TO PROMOTE RUNOFF WITHOUT EXCESSIVE EROSION

✓

(7)(C)2. CONTACT BETWEEN WATER AND SOLID WASTE MINIMIZED.

✓

(7)(C)3. LEACHATE GENERATED ON-SITE CONTROLLED ON-SITE AND NOT ALLOWED TO DISCHARGE OFF-SITE OR DISCHARGE INTO WATERS OF THE STATE

✓

		SAT	UNS
(8) GROUND-WATER MONITORING			
(8)(C)1.B	GROUND-WATER-MONITORING WELLS OPERATIONAL PRIOR TO ACCEPTANCE OF WASTE.	✓	
(9) AIR QUALITY			
(9)(C)	BURNING OF SOLID WASTE PROHIBITED UNLESS A BURNING PERMIT IS OBTAINED.	✓	
(10) GAS CONTROL			
(10)(C)1.	DECOMPOSITION GAS CONTROL SYSTEMS IMPLEMENTED AS NECESSARY.	✓	
(10)(C)2.A.	METHANE NOT ALLOWED TO CONCENTRATE IN BUILDINGS ON-SITE ABOVE 25 PERCENT LEL FOR METHANE.	✓	
(10)(C)2.B	METHANE NOT ALLOWED TO CONCENTRATE IN THE SOIL AT THE PROPERTY BOUNDARY ABOVE 5 PERCENT LEL FOR METHANE.	✓	
(10)(C)3	DECOMPOSITION GAS MONITORING RESULTS SUBMITTED TO THE DEPARTMENT AS REQUIRED BY PERMIT.	✓	
(11) VECTORS			
(11)(C)	VECTOR CONTROL PROGRAMS IMPLEMENTED WHEN NECESSARY.	✓	
(12) AESTHETICS			
(12)(C)1.	LITTER CONTROL DEVICES UTILIZED AS NEEDED. LITTER COLLECTED & INCORPORATED INTO THE ACTIVE CELL AT THE END OF EACH DAY OR PLACED IN CONTAINERS.	✓	
(12)(C)2.	WASTES EASILY MOVED BY WIND COVERED AS NECESSARY.	✓	
(12)(C)3	ON-SITE VEGETATION CLEARED ONLY AS NECESSARY.	✓	
(12)(C)4.	SALVAGED MATERIALS REMOVED DAILY OR STORED IN AESTHETICALLY ACCEPTABLE CONTAINERS.	✓	
(13) COVER			
(13)(C)1.	DAILY COVER APPLIED.	✓	
(13)(C)2.	INTERMEDIATE COVER APPLIED.	✓	
(13)(C)3.	FINAL COVER APPLIED.	✓	
(13)(C)4.	FINAL SIDE SLOPES NOT TO EXCEED 33.3 PERCENT.	✓	
(13)(C)5.	VEGETATION ESTABLISHED WITHIN 180 DAYS OF APPLICATION OR REGRADING OF COVER.	✓	
(13)(C)6.	REGRADING AND RECOVERING AS NECESSARY.	✓	
(14) COMPACTION			
(14)(C)1.	SOLID-WASTE HANDLING EQUIPMENT ON-SITE AND OPERATED AS NECESSARY.	✓	
(14)(C)1.A.	SOLID WASTE TO BE COMPACTED. SPREAD IN LAYERS NO MORE THAN 2 FEET THICK, & CONFINED TO SMALLEST PRACTICAL AREA.	✓	
(14)(C)1.B.	WASTE COMPACTED TO SMALLEST PRACTICAL VOLUME.	✓	
(14)(C)1.C	COVER COMPACTED AS MUCH AS PRACTICAL.	✓	
(14)(C)2.	PREVENTIVE MAINTENANCE PERFORMED ON EQUIPMENT.	✓	
(14)(C)3.	SOLID WASTE NOT DISPOSED OF IN WATER.	✓	
(15) SAFETY			
(15)(C)1.	FIRE EXTINGUISHERS PROVIDED.	✓	
(15)(C)2.	ALL FIRES IN WASTES BEING DELIVERED AT THE WORKING FACE OR WITHIN EQUIPMENT EXTINGUISHED.	✓	
(15)(C)3.	COMMUNICATIONS EQUIPMENT AVAILABLE.	✓	
(15)(C)4.	SCAVENGING PROHIBITED.	✓	
(15)(C)5.	CONTROLLED ACCESS TO SITE BY ESTABLISHED ROADWAYS & LIMITED TO HOURS WHEN OPERATING PERSONNEL ARE ON DUTY.	✓	
(15)(C)6.	TRAFFIC CONTROLLED AND DIRECTED TO DISTINGUISH DISPOSING POINTS.	✓	
(15)(C)7	SITE DUST CONTROLLED.	✓	
(16) RECORDS			
(16)(C)1.A.	RECORDS OF MAJOR PROBLEMS AND COMPLAINTS.	✓	
(16)(C)1.B.	MONITORING RECORDS	✓	
	A. LEACHATE SAMPLING AND ANALYSES.	✓	
	B. GAS SAMPLING AND ANALYSES.	✓	
	C. GROUND- AND SURFACE-WATER ANALYSES.	✓	
(16)(C)1.C	RECORDS OF VECTOR-CONTROL EFFORTS.	✓	
(16)(C)1.D.	RECORDS OF DUST- AND LITER-CONTROL EFFORTS.	✓	
(16)(C)1.E.	RECORDS OF QUANTITY OF WASTE HANDLED.	✓	
(16)(C)1.F.	RECORDS OF DESCRIPTION, SOURCES, AND VOLUME OF SPECIAL WASTES LISTED IN SUBSECTION (3)(A).	✓	
OTHER DESIGN SPECIFICATIONS			
(7)(C)3	LEACHATE COLLECTION SYSTEM PROPERLY INSTALLED AND OPERATED.	✓	
(7)(C)4	LINER CONSTRUCTED BY APPROVED DESIGN SPECIFICATION.	✓	
(8)(C)1.A	GROUNDWATER MONITORING WELLS INSTALLED.	✓	
(13)(C)7	BORROW AREAS RECLAIMED.	✓	
REMARKS air-curtain destructor was producing more smoke than usual - changing the angle of the blower should take care of the problem.			
SIGNATURE OF INSPECTOR		OFFICE	
JHT 2		SLRO	